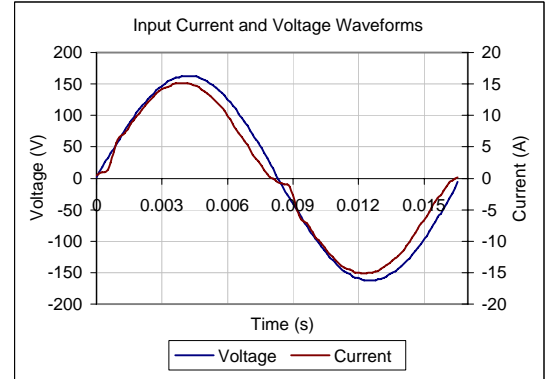


# 80 PLUS Verification and Testing Report

**TYPICAL EFFICIENCY (50% Load):** 85.94%  
**AVERAGE EFFICIENCY :** 83.91%  
**80 PLUS COMPLIANT:** YES



<b>Ecos ID #</b>	792
<b>Manufacturer</b>	HEC
<b>Model Number</b>	COUGAR 1000CM
<b>Serial Number</b>	S0806000001
<b>Year</b>	2008
<b>Type</b>	ATX12V
<b>Test Date</b>	7/17/2008



Input AC Current Waveform (ITHD = 13.86%, 50% Load)

Rated Specifications	Value	Units
Input Voltage	115-240	Volts
Input Current	15	Amps
Input Frequency	50-60	Hz
<b>Rated Output Power</b>	<b>1000</b>	<b>Watts</b>

Note: All measurements were taken with input voltage at 115 V nominal and 60 Hz.

I <sub>RMS</sub> A	PF	I <sub>THD</sub> (%)	Load (%)	Fraction of Load	Input Watts	DC Terminal Voltage (V)/ DC Load Current (A)					Output Watts	Efficiency %
						12V (cumulative of 12V1, 12V2, etc.)	-12V	3.3V	5V*	5VSB		
2.20	0.95	25.0%	20%	Light	240	12.2/13.8	12.1/0.1	3.4/3.6	5/3.6	5/0.7	203	84.63%
5.14	0.98	13.9%	50%	Typical	582	12.1/34.4	12.2/0.3	3.2/9	4.9/9	4.9/1.7	500	85.94%
10.53	0.99	6.9%	100%	Full	1205	11.8/68.7	12.4/0.7	3.1/17.9	4.7/18	4.7/3.4	978	81.16%

